

FIG. 1A

10 30 50
 CGGAGGCAGGAGTGAGGAGCGAGGAGTCCGGTGGCGCGCGGAGCTCCGGGTCGCC
 70 90 110
 CCAGCCCCAGCCGGGCGCTGTGGCGGGGAGGAGCTGTGCGTCCGCGACCCGTCGGGGA
 130 150 170
 TCGCAGCTGCTCGGCCGGAGTGCACGGGCCGAGTCTGCGCGGACTACCCACGCCGTGACAGG
 190 210 230
 TCCCTGAATGAGAAGGAGCTGACAGCAGCTGAATTCCATCTTCTGTGTGCTGGGGAGC
 250 270 290
 AGGGCTACACGGCCAGGTGGCATCAATGCCGAAGAACAAGTACCCAGCGGTGAGC
 M P K N S K V T Q R E H
 310 330 350
 ACAGCAGTGAGCATGTCACTGAGTCCGTGGCGGACCTGCTGGCCCTCGAGGAGCCTGTGG
 S S E H V T E S V A D L L A L E E P V D
 370 390 410
 ACTATAAGCAGAGTGACTGAATGTGGCTGGTGAGGCGGCAAGCAGAAGCGGTGG
 Y K Q S V L N V A G E A G G K Q K A V E
 430 450 470
 AGGAGGAGCTGGATGCAGAGGACCGCGCGCTGGAACAGTAAGCTGCAGTACATCCTGG
 E E L D A E D R P A W N S K L Q Y I L A
 490 510 530
 CCCAGATTGGCTTCTGTGGGCGCTCGGCAACATCTGGAGGTTCCCTTACCTGTGCCAGA
 Q I G F S V G L G N I W R F P Y L C Q K
 550 570 590
 AAAATGGAGGAGGTGCTTACCTGGTGCCCTACCTGGTGCTGTGATCATCATCGGGATCC
 N G G G A Y L V P Y L V L L I I I G I P
 610 630 650

MATCH WITH FIG. 1B

FIG. 1B

MATCH WITH FIG. 1A

CCCTCTTCTTCTGGAGCTGGCTGTGGTCAGAGGATCCGCCGCGGAAGCATCGGTGTGT
L F F L E L A V G Q Q R I R G S I G V W 710
GGCACTATATATGTCCCCCGCTGGGGGGGATCGGCTTCTCCAGCTGCATAGTCTGTCTCT
H Y I C P R L G G I G F S S C I V C L F 770
TTGTGGGGCTGTATATAATGTGATCATCGGGTGGAGCATCTTCTATTCTTCAAGTCCT
V G L Y Y N V I I G W S I F Y F K S F 830
TCCAGTACCCGCTGCCCTGGAGTGAATGTCCTGTCTCAGGAATGGGAGCGTCGCAGTGG
Q Y P L P W S E C P V V R N G S V A V V 890
TGGAGGCAGAGTGTGAAAAGAGCTCAGCCACTACTACTTCTGTGTACCGAGAGGCTTGG
E A E C E K S S A T T Y F W Y R E A L D 950
ACATCTCTGACTCCATCTCGGAGAGTGGGGCCCTCAACTGGAAGATGACCCCTGTGCCTCC
I S D S I S E S G G L N W K M T L C L L 1010
TCGTGGTCTGGAGCATCGGGGGGATGGCTGTCTGGTAAGGGCATCCAGTCTCGGGGAAGG
V V W S I G G M A V G K G I Q S S G K V 1070
TGATGTATTTCAGCTCCCTCTTCCCTACGTGGTGGCTGGCTGCTTCTGTCGGGGGT
M Y F S S L F P Y V V L A C F L V R G L 1130
TGTTGTTCGAGGGCAGTTGATGGCATCCTACACATGTTCACTCCCAAGCTGGTCAAGA
L L R G A V D G I L H M F T P K L V K M 1190
TGCTGGACCCCGGTGTGGCGGGAGGTAGCTACCCAGGTCTTCTTGGCTTGGGTCTGG
L D P Q V W R E V A T Q V F F G L G L G 1190

MATCH WITH FIG. 1C

MATCH WITH FIG. 1B

1210
 ;CTTGGTGGTGCATTGTCTCTCCAGTTACAATAAGCAGGACAACAACACTGCCACTTCG
 F G G V I V F S S Y N K Q D N N C H F D
 1230
 1250
 1270
 ATGGCGCCCTGGTGCTTCATCAACTTCITCACGTCAGTGTGGCCACCCCTCGTGGTGT
 G A L V S F I N F F T S V L A T L V V F
 1290
 1310
 1330
 TTGTTGTTTGGGCTTCAAGGCCAACATCATGAATGAGAAGTGTGTGTCGAGAATGCTG
 V V L G F K A N I M N E K C V V E N A E
 1390
 1410
 1430
 AGAAATCCTAGGTACCTTAACACCAACGTCCTGAGCCGGGACCTCATCCCCACCCACG
 K I L G Y L N T N V L S R D L I P P H V
 1450
 1470
 1490
 TCAACTTCTCCACCTGACCACAAAGGACTACATGGAGATGGACAATGTTCATCATGACCG
 N F S H L T T K D Y M E M D N V I M T V
 1510
 1530
 1550
 TGAAGGAGGACCAGTTCTCAGCCCTGGGCTTGACCCCTGCCTTCTGGAGGACGAGCTGG
 K E D Q F S A L G L D P C L L E D E L D
 1570
 1590
 1610
 ACAAGTCCGTGCAGGGCACAGGCCCTGGCCCTTCATCGCCTTCACTGAGGCCATGACGCACT
 K S V Q G T G L A F I A F T E A M T H F
 1630
 1650
 1670
 TCCCCACCTCCCGTCTGGTCCGTCATGTCTTCTTGATGCTTATCAACCTGGGCCTGG
 P T S P F W S V M F F L M L I N L G L G
 1690
 1710
 1730
 GCAGCATGATCGGACCATGGCAGGCATCACCCACGCCCATCATCGACACCTCCAAGTGC
 S M I G T M A G I T T P I I D T S K V P
 1750
 1770
 1790

MATCH WITH FIG. 1D

FIG. 1C

MATCH WITH FIG. 1C

FIG. 1D

CCAAGGAGATGTTACAGTGGGCTGTGTCTTTACATTCCTCGTGGGACTGTTGTTCCG
 K E M F T V G C C V F T F L V G L L F V
 1810 1830 1850
 TCCAGCGCTCCGGAACACTTTGTCAACCATGTTGATGACTACTCAGCCACGCTGCCAC
 Q R S G N Y F V T M F D D Y S A T L P L
 1870 1890 1910
 TCACTCTCATCGTCATCCTTGAGAACATCGCTGTGGCCTGGATTATGGACCCAAAGAAGT
 T L I V I L E N I A V A W I Y G P K K F
 1930 1950 1970
 TCATGCAGGAGCTGACGGAGATGCTGGGCTTCCGCCCTACCGCTTCTATTCTACATGT
 M Q E L T E M L G F R P Y R F Y F Y M W
 1990 2010 2030
 GGAAGTTCGTCTCCACTATGCATGGCTGTGCTCACCACAGCCAGCATCCAGCTGG
 K F V S P L C M A V L T T A S I I Q L G
 2050 2070 2090
 GGGTCACGCCCCCGCCTACAGCGCCTGGATCAAGGAGGAGGCTGCCGAGCGCTACCTGT
 V T P P A Y S A W I K E E A A E R Y L Y
 2110 2130 2150
 ATTTCCCAACTGGCCCATGGCACTCCTGATCACCCCTCATCGTGTGGGACGCTGCCCA
 F P N W P M A L L I T L I V V A T L P I
 2170 2190 2210
 TCCCTGTGTGTTTCGTCCTGGGCACTTCCACCTGCTCTGTGATGGCTCCAACACCTCT
 P V V F V L R H F H L L S D G S N T L S
 2230 2250 2270
 CCGTGTCTACAAGAAGGCCCGCATGATGAAGGACATCTCCAACCTGGAGGAGAACGATG

MATCH WITH FIG. 1E

MATCH WITH FIG. ID

FIG. 1E

2290	2310	2330
AGACCCGCTTCATCCTCAGCAAGGTGCCCCAGTGAGGCACCTTCCCCCATGCCCCACTCACC		
T R F I L S K V P S E A P S P M P T H R		
2350	2370	2390
GTTCCCTATCTGGGGCCCGCAGCACATCACCCCTGGAGACCAGCTGGAACCCCAATGGAC		
S Y L G P G S T S P L E T S W N P N G P		
2410	2430	2450
CCTATGGCGCGGTACCTGTGCTGGCCAGCACCCCTGAGTCTGAGCTGTGACCACCTGCCCA		
Y G R G Y L L A S T P E S E L *		
2470		
AGCCCATGCCCGCTCTCCCCCACCG		